

10/538 984
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SHEET 1 OF 8

INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO.	SERIAL NO.		
				2003B133	Not Yet Assigned		
				APPLICANT			
				Shaffer et al.			
				FILING DATE	GROUP		
June 14, 2005	Not Yet Assigned						
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FT	AA	2,474,571	06/28/49	Brakeley et al.	260	85.3	
FT	AB	2,494,585	01/17/50	Saylor, Jr.	260	85.3	
FT	AC	2,534,698	12/19/50	Calfee et al.	260	85.3	
FT	AD	2,548,415	04/10/51	Welch et al.	260	85.3	
FT	AE	2,603,626	07/15/52	Kolfenbach et al.	260	85.3	
FT	AF	2,607,764	08/19/52	Nelson et al.	260	85.3	
FT	AG	2,644,809	07/07/53	Saylor Jr.	260	85.3	
FT	AH	3,269,972	08/30/66	Banks et al.	260	32.2	
FT	AI	3,331,822	07/18/67	Kometani et al.	260	87.5	
FT	AJ	3,397,166	08/13/68	Schmidle et al.	260	33.6	
FT	AK	3,440,219	02/05/65	Wolff et al.	260	63	
FT	AL	3,470,143	09/30/69	Schrage et al.	260	82.5	
FT	AM	3,493,530	02/03/70	Sianesi et al.	260	33.2	
FT	AN	3,528,954	09/15/70	Carlson	260	87.5	
FT	AO	3,590,025	06/29/71	Tittle	260	92.1	
FT	AP	3,616,371	10/26/71	Ukihashi et al.	204	159.22	
FT	AQ	3,642,742	02/15/72	Carlson	260	87.5 A	
FT	AR	3,787,379	01/22/74	Ferren et al.	260	87.5 A	
FT	AS	3,919,183	11/11/75	Jager et al.	260	86.1 R	
FT	AT	3,996,281	12/07/76	Huber-Emden et al.	260	561 N	
FT	AU	4,042,634	08/16/77	Cope et al.	210	616	
FT	AV	4,100,225	07/11/78	Mueller	260	878 R	
FT	AW	4,107,417	08/15/78	Priola et al.	526	117	
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FT	BA	4,123,602	10/31/78	Ukihashi et al.	526	206	
FT	BB	4,166,165	08/28/79	Hisasue et al.	526	87	
FT	BC	4,194,073	03/18/80	McDaniel	526	98	
FT	BD	4,248,988	02/03/81	Halasa	526	141	
FT	BE	4,255,546	03/10/81	Süling et al.	526	206	
FT	BF	4,338,237	07/06/82	Sulzbach et al.	524	777	
FT	BG	4,381,387	04/26/83	Sulzbach	526	247	
FT	BH	4,424,324	01/03/84	Throckmorton et al.	526	220	
FT	BI	4,435,553	03/06/84	Throckmorton et al.	526	201	
FT	BJ	4,452,960	06/05/84	Throckmorton	526	201	
FT	BK	4,499,249	02/12/85	Nakagawa et al.	526	206	
FT	BL	4,501,865	02/26/85	König et al.	526	71	
FT	BM	4,508,881	04/02/85	Throckmorton	526	201	
FT	BN	4,535,136	08/13/85	Wheland	526	214	
FT	BO	4,588,796	05/13/86	Wheland	526	214	
FT	BP	4,626,608	12/02/86	Scherer, Jr. et al.	570	134	
FT	BQ	4,714,747	12/22/87	Bruzzone et al.	526	64	
FT	BR	4,736,004	04/05/88	Scherer, Jr. et al.	526	206	
FT	BS	4,900,777	02/13/90	Ball et al.	524	819	
FT	BT	4,946,936	08/07/90	Moggi et al.	528	392	
FT	BU	4,948,844	08/14/90	Nakahara et al.	525	356	
FT	BV	4,950,724	08/21/90	Malanga et al.	526	144	
FT	BW	5,032,656	07/16/91	Mares et al.	526	255	
FT	BX	5,105,047	04/14/92	Waller	585	515	
FT	BY	5,135,998	08/04/92	Mares et al.	526	206	

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FT	CA	5,162,445	11/10/92	Powers et al.	525	333.4	
FT	CB	5,182,342	01/26/93	Feiring et al.	526	206	
FT	CC	5,281,680	01/25/94	Grot	526	243	
FT	CD	5,310,870	05/10/94	Peavy	528	392	
FT	CE	5,417,930	05/23/95	McDonald, Jr. et al.	422	131	
FT	CF	5,448,001	09/05/95	Baird	526	134	
FT	CG	5,459,212	10/17/95	Krespan et al.	526	89	
FT	CH	5,478,905	12/26/95	Anolick et al.	526	254	
FT	CI	5,494,984	02/27/96	Funaki et al.	526	206	
FT	CJ	5,527,870	06/18/96	Maeda et al.	526	348.7	
FT	CK	5,552,500	09/03/96	Peavy	526	206	
FT	CL	5,608,002	03/04/97	Kubo et al.	524	795	
FT	CM	5,618,894	04/08/97	DeSimone et al.	526	89	
FT	CN	5,624,878	04/29/97	Devore et al.	502	152	
FT	CO	5,637,663	06/10/97	Anolick et al.	526	254	
FT	CP	5,650,483	07/22/97	Malik et al.	528	402	
FT	CQ	5,654,450	08/05/97	Malik et al.	549	511	
FT	CR	5,663,251	09/02/97	Kato et al.	526	206	
FT	CS	5,663,255	09/02/97	Anolick et al.	526	254	
FT	CT	5,665,838	09/09/97	Peavy	526	255	
FT	CU	5,668,250	09/16/97	Malik	528	402	
FT	CV	5,668,251	09/16/97	Malik et al.	528	402	
FT	CW	5,674,957	10/07/97	DeSimone et al.	526	89	
FT	CX	5,688,838	11/18/97	Abusleme et al.	522	33	
FT	CY	5,703,194	12/30/97	Malik et al.	528	70	
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FT	DA	5,728,783	03/17/98	Falchi et al.	526	124.2	
FT	DB	5,780,565	07/14/98	Clough et al.	526	206	
FT	DC	5,789,504	08/04/98	Ihara et al.	526	206	
FT	DD	5,807,977	09/15/98	Malik et al.	528	402	
FT	DE	5,821,311	10/13/98	Mosbach et al.	526	201	
FT	DF	5,872,198	02/16/99	Mosbach et al.	526	221	
FT	DG	5,939,501	08/17/99	DeSimone et al.	526	89	
FT	DH	5,939,502	08/17/99	DeSimone et al.	526	89	
FT	DI	5,959,050	09/28/99	Mosbach et al.	526	201	
FT	DJ	5,981,673	11/09/99	DeSimone et al.	526	89	
FT	DK	5,990,251	11/23/99	Gelus	526	125.7	
FT	DL	6,037,483	03/14/00	Malik et al.	549	511	
FT	DM	6,107,423	08/22/00	Wheland et al.	526	249	
FT	DN	6,111,062	08/29/00	Shirota et al.	528	402	
FT	DO	6,133,389	10/17/00	Anolick et al.	526	206	
FT	DP	6,225,367	05/01/01	Chaouk et al.	521	149	
FT	DQ	6,228,963	05/08/01	Wheland et al.	526	247	
FT	DR	6,303,715	10/16/01	Kim et al.	526	128	
FT	DS	6,306,989	10/23/01	Bloom et al.	526	200	
FT	DT	6,335,408	01/01/02	Russo et al.	526	253	
FT	DU	6,337,373	01/08/02	Formaro et al.	525	193	
FT	DV	6,346,587	02/12/02	Krüger et al.	526	206	
FT	DW	6,372,838	04/16/02	Rao et al.	524	462	
FT	DX	6,380,351	04/30/02	Malik et al.	528	402	
FT	DY	6,399,729	06/04/02	Farnham et al.	526	255	

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FT	EA	6,403,539	06/11/02	Marchionni et al.	508	406	
FT	EB	6,417,314	07/09/02	Malik et al.	528	60	
FT	EC	6,423,798	07/23/02	Wheland et al.	526	206	
FT	ED	6,444,768	09/03/02	Webb et al.	526	237	
FT	EE	6,448,368	09/10/02	Malik et al.	528	402	
FT	EF	6,455,650	09/24/02	Lipian et al.	526	171	
FT	EG	6,469,116	10/22/02	Maccone et al.	526	247	
FT	EH	6,469,185	10/22/02	Russo et al.	549	455	
FT	EI	6,486,280	11/26/02	Anolick et al.	526	243	
FT	EJ	2001/0012880	08/09/01	Wheland et al.	526	249	
FT	EK	2001/0018144	08/30/01	Watakabe et al.	429	33	
FT	EL	2002/0002219	01/03/02	Bloom et al.	524	11	
FT	EM	2002/0028884	03/07/02	Formaro et al.	525	193	
FT	EN	2002/0032291	03/14/02	Farnham et al.	526	227	
FT	EO	2002/0052454	05/02/02	Lipian et al.	526	171	
FT	EP	2002/0055580	05/09/02	Lorah et al.	524	445	
FT	EQ	2002/0055581	05/09/02	Lorah et al.	524	445	
FT	ER	2002/0055599	05/09/02	Slone	526	286	
FT	ES	2002/0065383	05/30/02	Maccone et al.	526	247	
FT	ET	2002/0086908	07/04/02	Chou et al.	516	98	
FT	EU	2002/0132910	09/19/02	Rao et al.	524	544	
FT	EV	2002/0151664	10/17/02	Farnham et al.	526	247	
FT	EW	2002/0183457	12/05/02	Hintzer et al.	525	326.2	
FT	EX	2002/0183471	12/05/02	Russo et al.	526	247	
FT	EY	2003/0023013	01/30/03	Lipian et al.	526	171	

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FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES NO	
FT	FA	DE10061727	06/13/02	Germany	C08F	10/10		✓
FT	FB	EP0076511	04/13/83	Europe	C08F	14/06		✓
FT	FC	EP0271243	06/15/88	Europe	C08F	214/26		
FT	FD	RU 2097122 C1	11/27/97	Russia	B01J	19/18		✓
FT	FE	RU 2209213 C1	07/27/03	Russia	C08F	210/12		✓
FT	FF	SU 1627243 A1	02/15/91		B01J	19/18		✓
FT	FG	WO93/21241	10/28/93	PCT	C08F	210/12		
FT	FH	WO94/17109	08/04/94	PCT	C08F	14/18		✓
FT	FI	WO96/24625	08/15/96	PCT	C08F	214/26		
FT	FJ	WO99/50209	10/07/99	PCT	C07C	23/08		✓
FT	FK	WO00/04061	01/27/00	PCT	C08F	10/10		
FT	FL	WO00/47641	08/17/00	PCT	C08F	14/18		✓
FT	FM	WO00/53682	09/14/00	PCT	C09D	4/00		
FT	FN	WO01/49757	07/12/01	PCT	C08F	214/44		✓
FT	FO	WO01/49758	07/12/01	PCT	C08F	214/22		✓
FT	FP	WO01/49760	07/12/01	PCT	C08F	214/28		✓
FT	FQ	WO02/051875	07/04/02	PCT	C08F	2/06		✓
FT	FR	WO02/096964	12/05/02	PCT	C08F	10/10		✓
FT	FS	WO02/34794	05/02/02	PCT	C08F	2/00		
FT	FT	WO2004058825	07/15/04	PCT (2004B133D)	C08F			
FT	FU	WO2004058827	07/15/04	PCT (2004B133A)	C08F	2/06		
FT	FV	WO2004058828	07/15/04	PCT (2004B133)	C08F	4/12		
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							YES	NO
FT	GA	WO2004058829	07/15/04	PCT (2004B133F)	C08F	4/44		
FT	GB	WO2004058835	07/15/04	PCT (2004B133B)	C08F	236/02		
FT	GC	WO2004058836	07/15/04	PCT (2004B133C)	C08F	236/02		
FT	GD	WO2004067577	07/15/04	PCT (2004B133E)	C08F			

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

FT	GE	USSN: 11/010,092, filed December 10, 2004, entitled "Polymers with New Sequence Distributions" (2003B133C/2)
FT	GF	USSN: 11/009,660, filed December 10, 2004, entitled "Halogenated Polymers with New Sequence Distributions " (2003B133C/3)
FT	GG	Industrial and Engineering Chemistry, January, 1949, 41, pages 135-136, "Emulsion Polymerizations at Low Temperatures. Isobutylene and Isobutylene-Butadiene Mixtures", G. B. Bachman et al., Purdue University
FT	GH	W. A. Thaler et al., entitled "High-Molecular-Weight, High-Unsaturation Copolymers of Isobutylene and Conjugated Dienes", 49(4) Rubber Chemistry & Technology, 960-966 (1976)
FT	GI	Organic Chemistry, SIXTH EDITION, Morrison and Boyd, Prentice-Hall, entitled "Ionic Polymerization. Living Polymers", pages 1084-1085 (Englewood Cliffs, New Jersey 1992)
FT	GJ	H. C. Wang et al., Elastomerics, entitled "Functionalized PMS/IB Copolymers Offer Wide Range of Properties", 1992, Atlanta, GA.
FT	GK	Gyor et al., J. Macromol. Sci.-Pure Appl. Chem. A31(12), entitled "Polyisobutylene-Based Thermoplastic Elastomers. I. Synthesis and Characterization of Polystyrene-Polyisobutylene-Polystyrene Triblock Copolymers, pages 2055-2065, Massachusetts, 1994.
FT	GL	I. Orszagh et al., J. Phys. Org. Chem., Vol. 8, entitled "Living Carbocationic Copolymerizations. I. Synthesis and Characterization of Isobutylene/p-Methylstyrene Copolymers", Ohio, pages 258-272, 1995.
FT	GM	Chemical Microstructure of Polymer Chains, J.L. Koenig, Wiley-Interscience, entitled "Determination of Structure-Property Relations in Polymers", New York, 1980, pages 1-8
FT	GN	Polymer Sequence Determination: Carbon-13 NMR Method, entitled "A Survey of Carbon-13 NMR Studies of Vinyl Homopolymers and Copolymers" J.C. Randall, Academic Press, 1977, New York, pages 103-146
FT	GO	Cationic Polymerization of Olefins: A Critical Inventory, J. P. Kennedy, Wiley-Interscience, New York, 1975 pages 10-13 "Cationic Polymerizations: Past, Present, and Future" and pages 86-137 "The Organization of Cationically Polymerizable Olefins".
FT	GP	Carbocationic Polymerization, J.P. Kennedy, E. Marechal, Wiley-Interscience, New York, 1982, pages 318-319

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							YES	NO
	HA							
	HB							
	HC							
	HD							
	HE							
	HF							
	HG							
	HH							
	HI							
	HJ							
	HK							
	HL							
	HM							
	HN							
	HO							
	HP							

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

FT	HQ	Abstract for DE10061727, June 13, 2002 entitled "Manufacture of Polyisobutenes with High Content of Unsaturated End Groups", 2 pages.
FT	HR	Abstract for EP76511, April 13, 1983, entitled "Aqueous Copolymer Dispersions and Their Use", 3 pages.
FT	HS	Derwent- Abstract for RU 2097122 C1, Dobrovinskii et al., November 27, 1997, 3 pages.
FT	HT	Abstract for RU2209213, July 27, 2003, entitled "Production of Butyl Rubber with Separation of Reaction Mixture in a Hydrocyclone and In-Process Recycling", Dobrovinskii et al., 2 pgs.
FT	HU	Derwent Abstract for SU 1627243 A, Khismatull et al., February 15, 1991.

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